

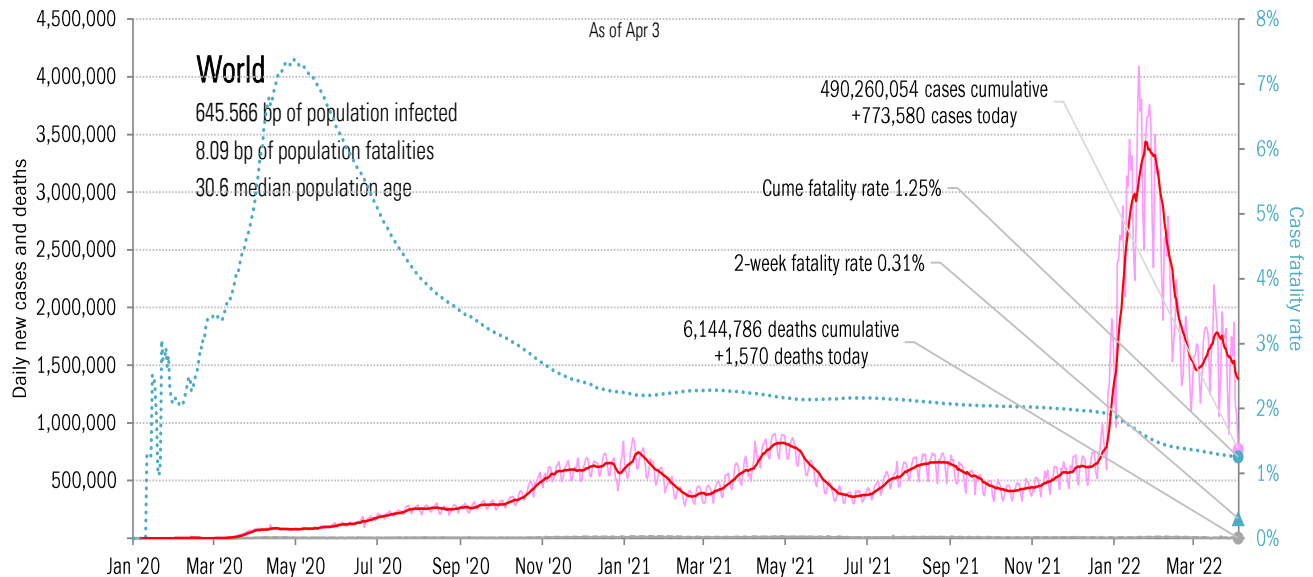
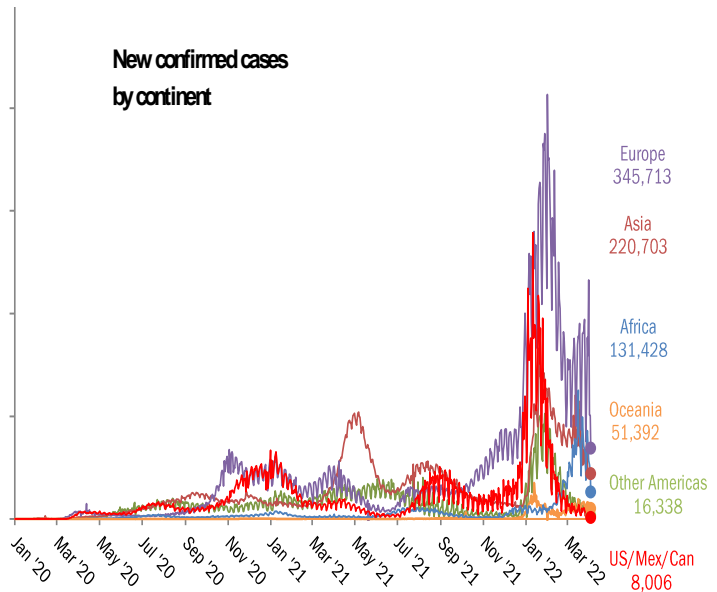
## Data Insights: Covid-2019 Monitor

Monday, April 4, 2022

### The global scorecard

Cases: 7-day average and daily Deaths: Daily

The worst ten countries			
New cases		New Deaths	
Korea, South	127,190	Russia	296
Germany	115,182	Korea, South	218
France	102,266	Italy	118
Vietnam	102,046	Thailand	97
Italy	55,009	United States	70
Japan	47,216	Germany	65
Australia	40,610	Chile	61
Thailand	24,892	Greece	61
Russia	16,498	Brazil	39
Austria	13,907	Iran	38
<b>644,816</b>		<b>1,063</b>	
World	773,580	World	1,570
Top ten	83%	Top ten	68%



Source: [Johns Hopkins](#), TrendMacro calculations

### For more information contact us:

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 Thomas Demas: 704 552 3625 [tdemas@trendmacro.com](mailto:tdemas@trendmacro.com)

# The US scorecard

Cases: 7-day average and daily Deaths: Daily

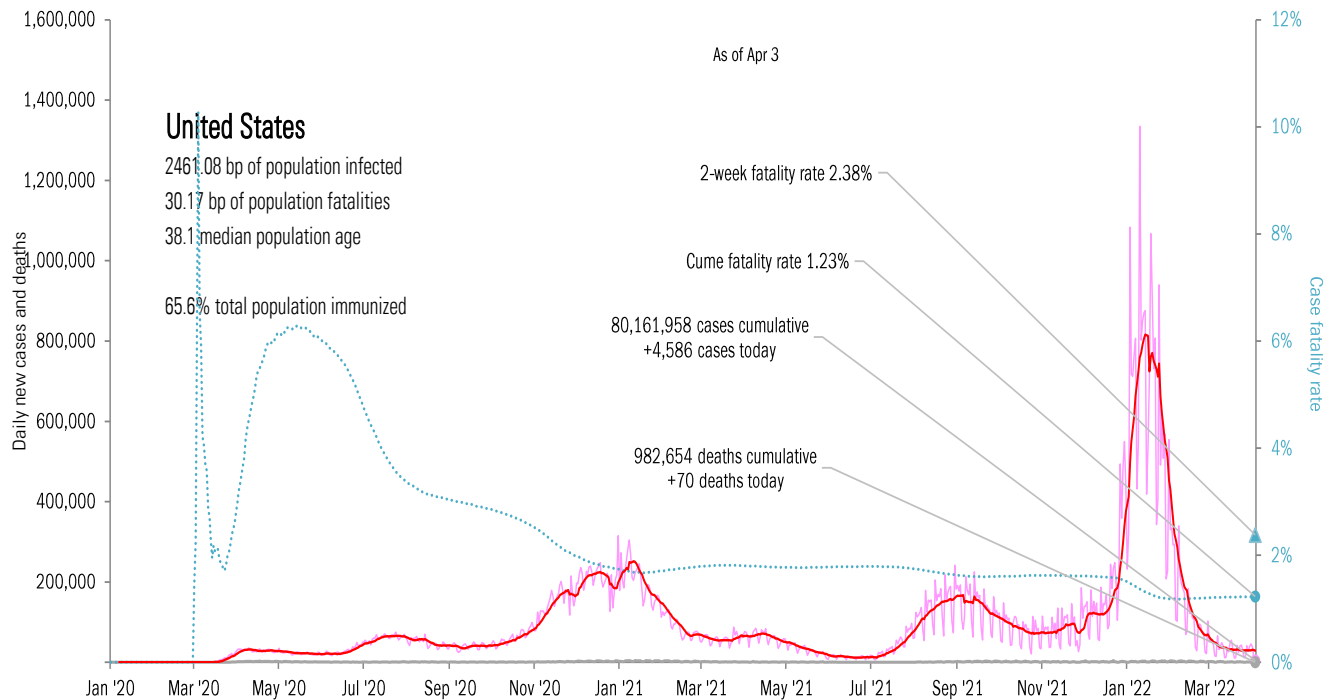
## The ten worst US states

New cases			New deaths		New in hospital		Curre cases			Curre deaths			Curre in hospital			Hospital use		ICU use	
NY	2,964		FL	38	NY	137	CA	9,109,754	CA	89,012	TX	487,383	RI	87%	VT	104%			
TX	929		AR	14	GA	75	TX	6,745,371	TX	87,470	CA	422,983	MA	85%	TX	84%			
FR	576		TX	11	NJ	62	FL	5,891,565	FL	73,379	FL	413,618	MN	82%	RI	82%			
DE	79		NY	7	IL	66	NY	5,005,818	NY	67,994	NY	245,270	MO	81%	NM	82%			
AR	38		AK	0	FL	99	IL	3,069,650	PA	44,313	GA	206,714	WV	81%	NC	81%			
AK	0		AL	0	MT	29	PA	2,782,827	CH	38,042	CH	190,150	DC	80%	MA	79%			
AL	0		AS	0	IA	18	CH	2,672,801	GA	37,057	PA	175,601	GA	79%	KY	79%			
AS	0		AZ	0	MI	51	NC	2,630,506	IL	35,827	IL	156,571	MD	79%	DC	79%			
AZ	0		CA	0	VA	36	GA	2,500,259	MI	35,706	MI	140,710	PA	79%	NV	78%			
CA	0		CO	0	CT	24	MI	2,389,506	NJ	33,245	KY	132,617	DE	79%	AK	78%			
4,586			70		597		42,798,057			542,045			2,571,617						
All states	4,586		70		1,519		All states	80,161,958	982,654			4,669,659			All states	70%	67%		
Top ten	100%		100%		39%		Top ten	53%	55%			55%			Median	73%	70%		

Some states not reporting

## Five most improved US states

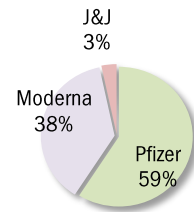
Fewer daily cases		Fewer new deaths		Fewer new hospitalizations		Most pop immunity growth	
FL	-6,561	DE	-24	CA	-86	DE	+10 bp
TX	-1,950	KY	-23	TX	-75	ID	+10 bp
NJ	-1,493	TX	-22	AZ	-33	KS	+10 bp
PA	-653	FL	-22	CH	-13	MD	+10 bp
IA	-585	AL	-19	AR	-11	NJ	+10 bp



Source: [Johns Hopkins](#), [Dept. of Health and Human Services](#), [CDC](#), TrendMacro calculations

# Rolling out the vaccines in the US and the world

Administered	Cumulative		Today	Immunity	Full	Partial
Doses	577,150,297		+0.216 million	US	65.6%	77.0%
Boosters	99,270,402		+0.045 million	UK	72.5%	77.4%
	One dose	% Pop	Immune	% pop	New immune today	
Total population	263,390,763	79%	224,084,148	67%	+0.031 million	Spain 85.8% 88.0%
Age 12 to 17	17,568,189	69%	14,990,328	59%	+0.002 million	Germany 75.3% 75.9%
Age 18 to 64	177,415,607	87%	150,479,674	74%	+0.013 million	Italy 79.2% 84.0%
Age 65 and over	58,346,237	100%	50,552,775	92%	+0.010 million	Australia 82.4% 86.1%



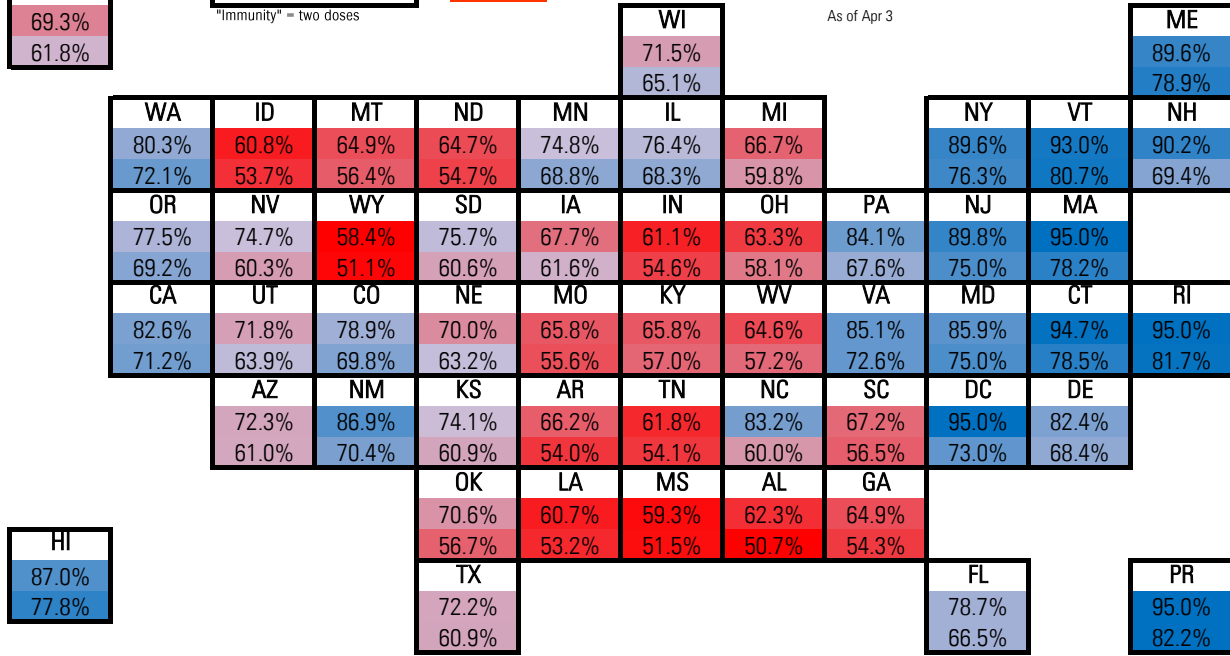
AK	69.3%
	61.8%

State
At least partial immunity as % population
Full immunity as % population

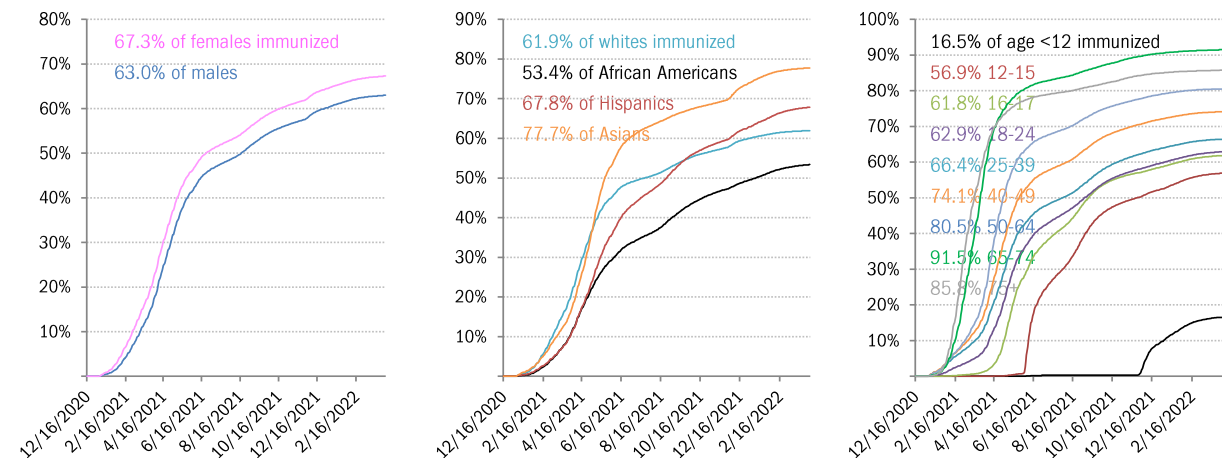
Best
Middle
Worst

Israel	66.0%	72.2%
Canada	81.9%	85.8%
Japan	79.9%	81.3%
Africa	15.2%	20.3%
India	59.7%	71.0%
Brazil	75.1%	84.7%
China	85.9%	88.3%

Global data differs due to sources, timing



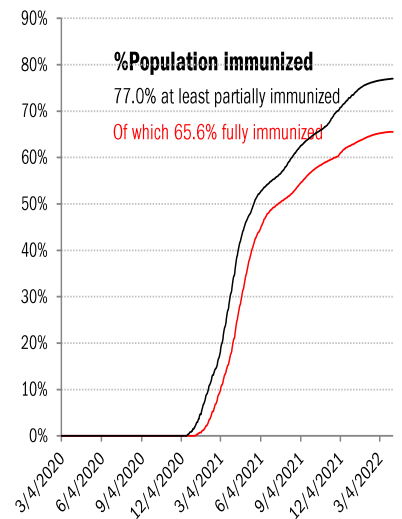
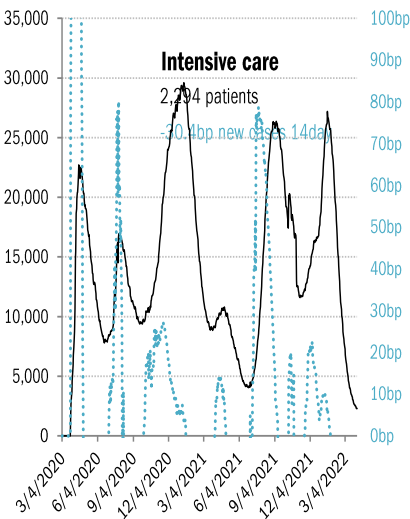
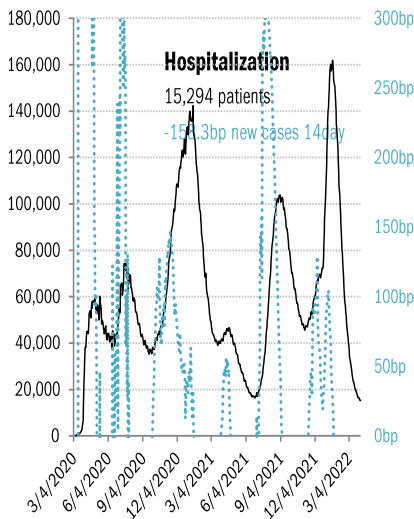
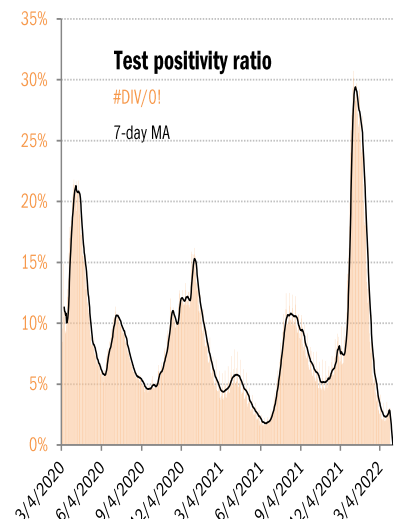
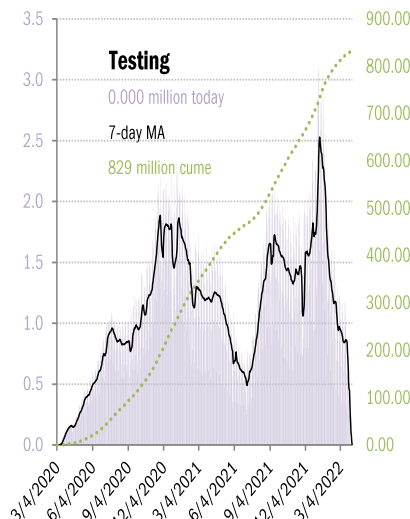
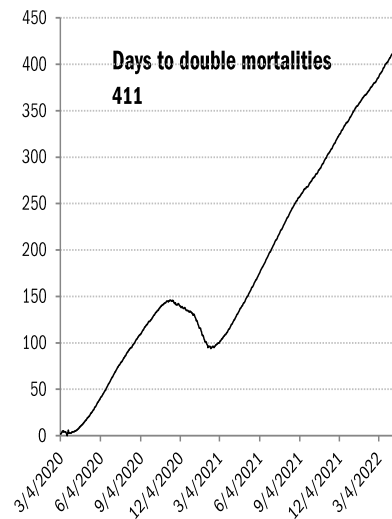
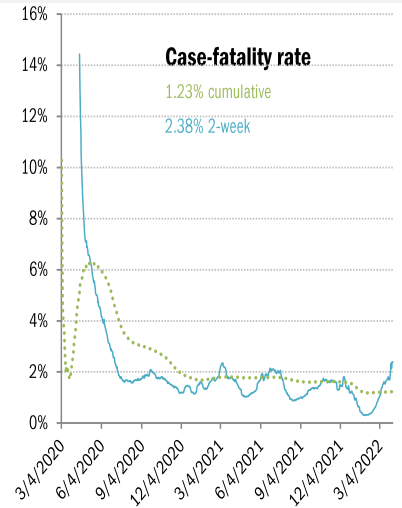
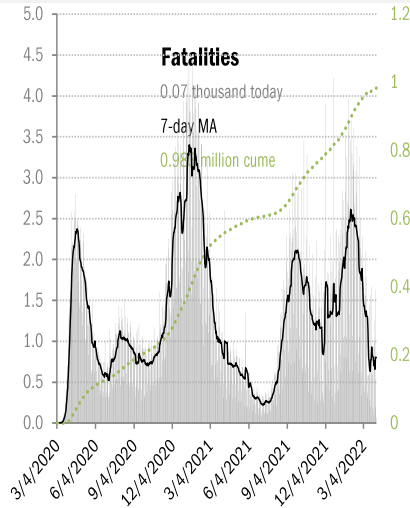
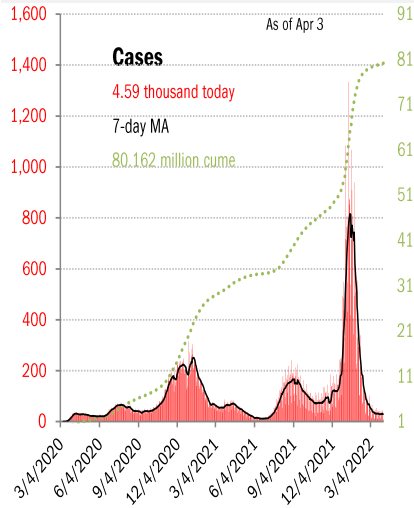
## The demographics of US vaccination



Source: [CDC](#), [CDC](#), [Our World in Data](#), TrendMacro calculations

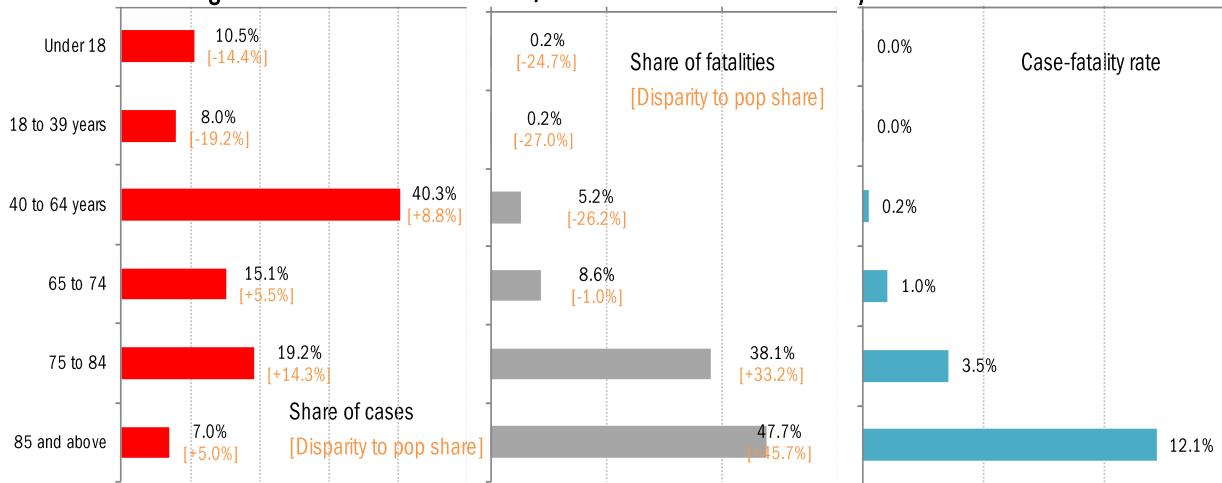
# US deep-dive

National and state-by-state data do not line up because of different sources

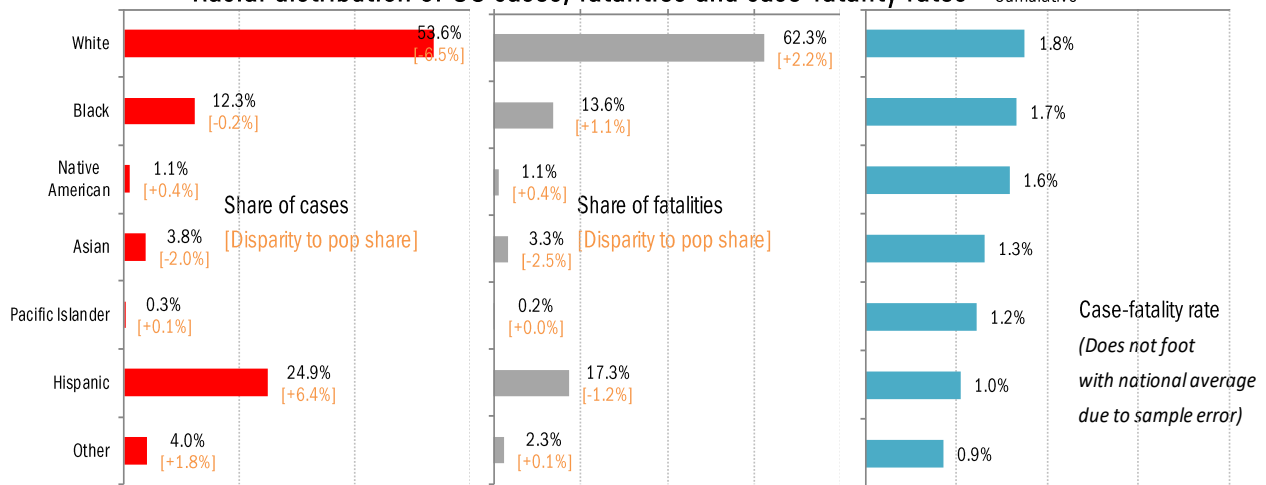


Source: [Johns Hopkins](#), [Covid Act Now](#), TrendMacro calculations

Age distribution of US cases, fatalities and case-fatality rates

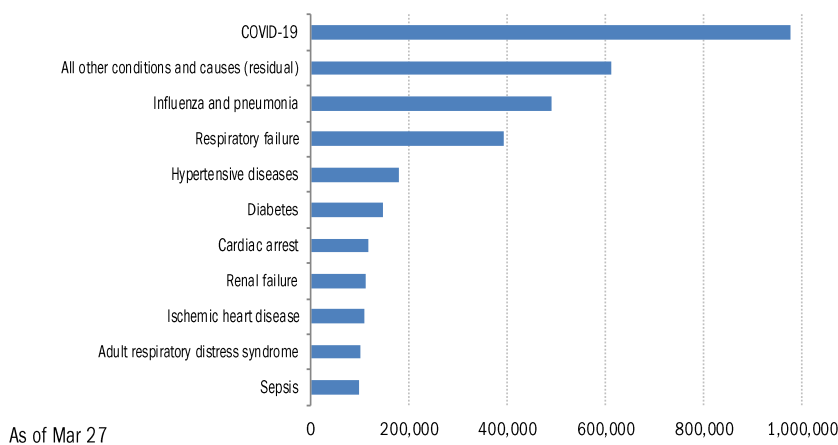


Racial distribution of US cases, fatalities and case-fatality rates



Comorbidities

Top-ten joint causes of Covid mortalities, cumulative



As of Mar 27

For over 5% of these deaths, COVID-19 was the only cause mentioned on the death certificate. For deaths with conditions or causes in addition to COVID-19, on average, there were 4.0 additional conditions or causes per death.

## Recommended reading

[FDA Shuts Out Its Own Experts in Authorizing Another Vaccine Booster](#)

Marty Makary  
*Wall Street Journal*  
April 3, 2022

[NIH & EcoHealth 'Acted Badly', Admits Chairman of Compromised COVID-19 Origins Commission.](#)

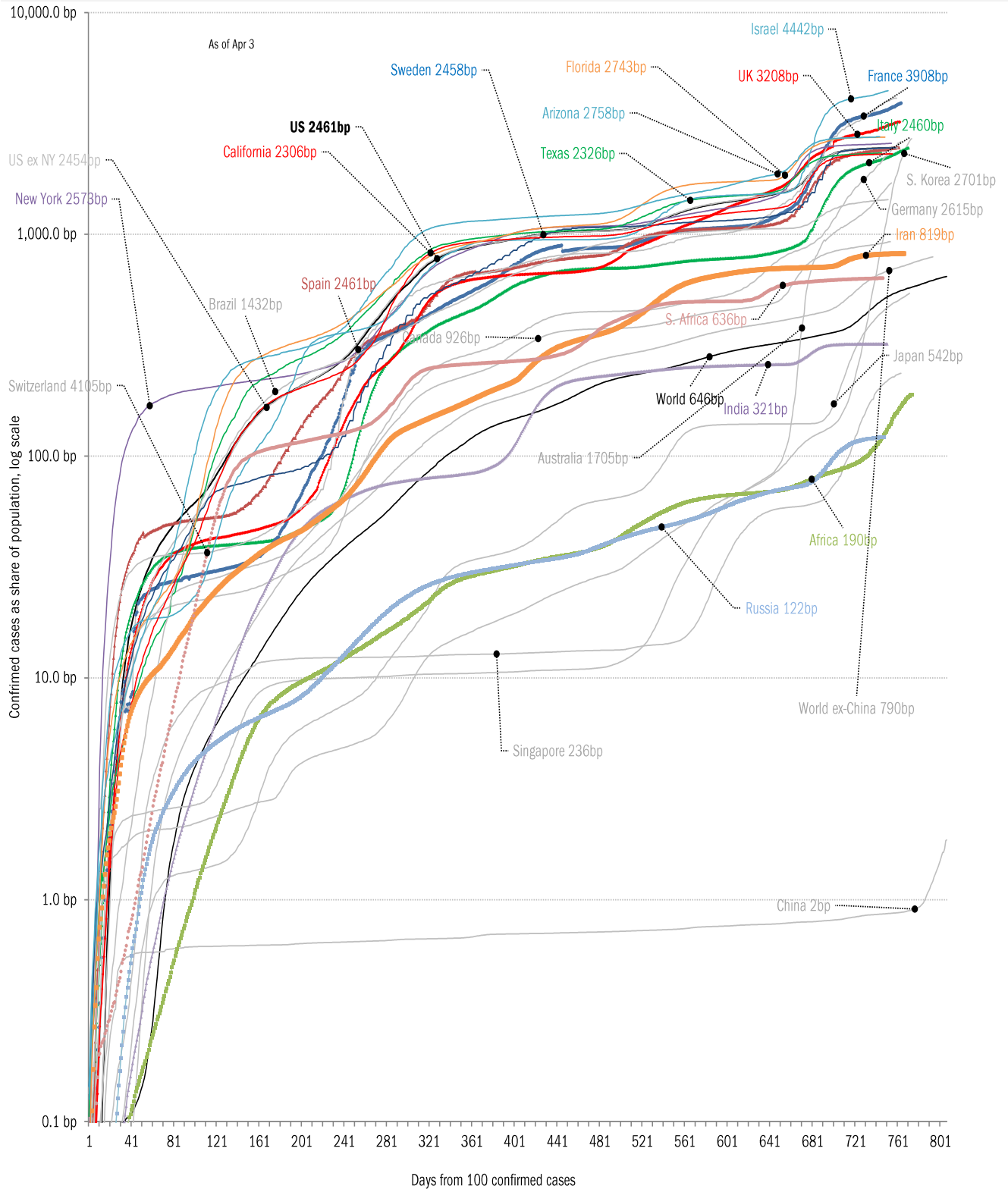
Natalie Winters  
*National Pulse*  
April 2, 2022

## Meme of the day



Source: Our beloved clients, [Power Line blog "The Week in Pictures"](#) and [CTUP](#)

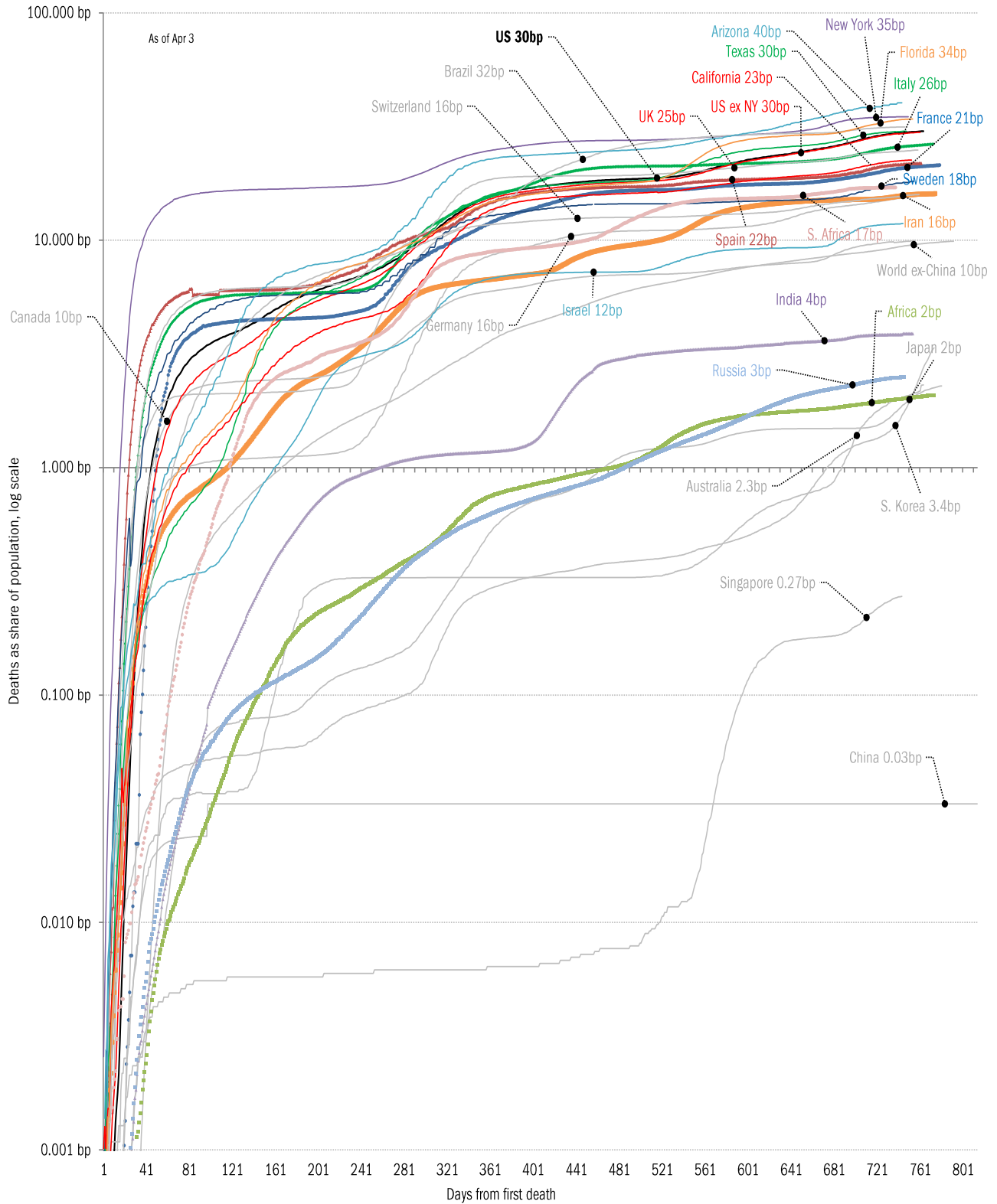
The coronavirus case accelerometer... tracking the world's infection curves  
*Share of infected population from first day with 100 confirmed cases, log scale*



Source: [Johns Hopkins](#), TrendMacro calculations



The coronavirus mortality accelerometer ... tracking the world's fatality curves  
*Share of deceased population from day of first fatality, log scale*



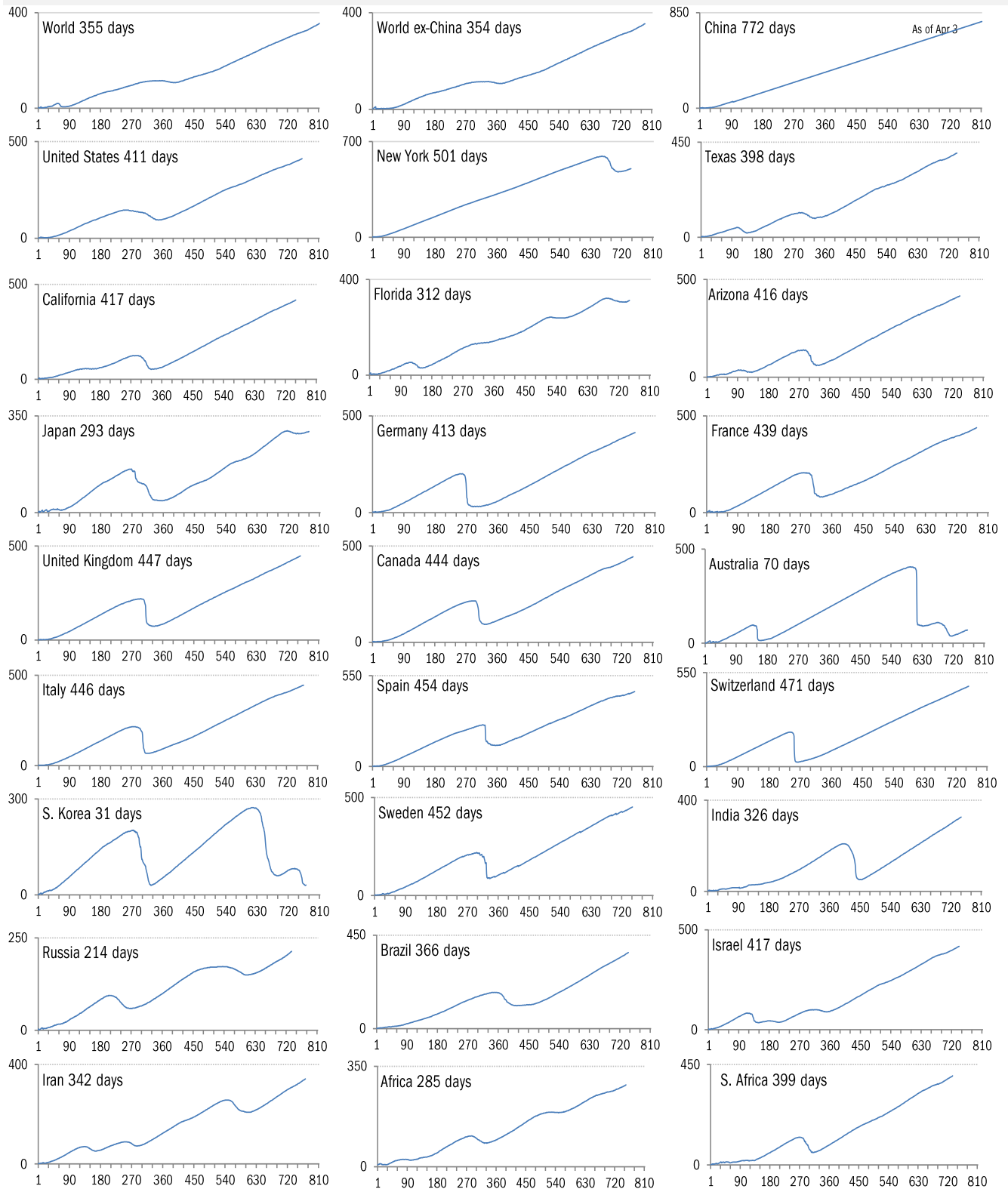
Source: [Johns Hopkins](#), TrendMacro calculations



# "Exponential"? Our most reliable evidence of the rate of spread of Covid-2019

Vertical: days to double deaths Horizontal: days from first death

Flat indicates exponential spread Declining indicates supra-exponential spread Rising indicates sub-exponential spread

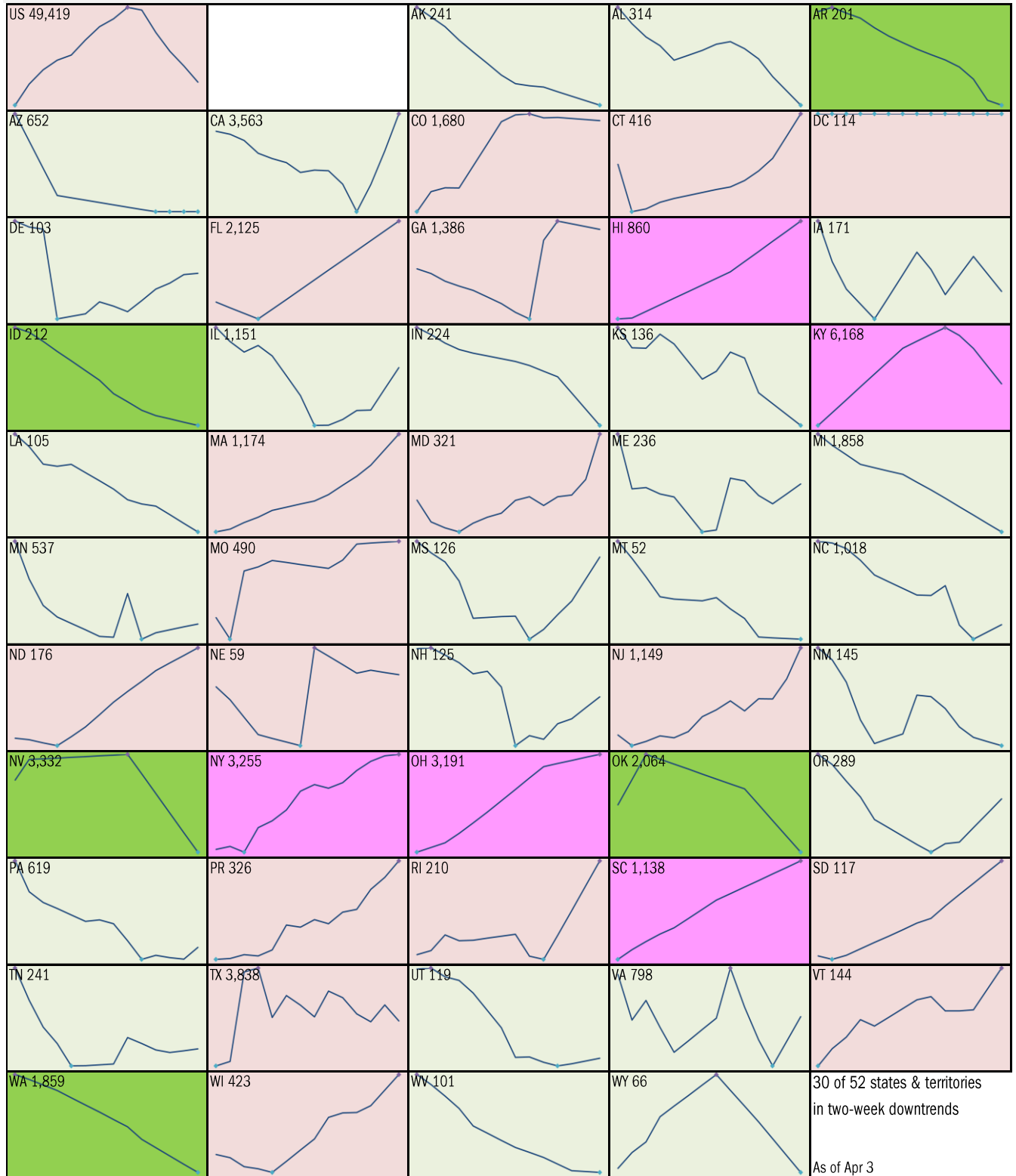


Source: [Johns Hopkins](#), TrendMacro calculations

# 14-day trajectory in **new cases**

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst

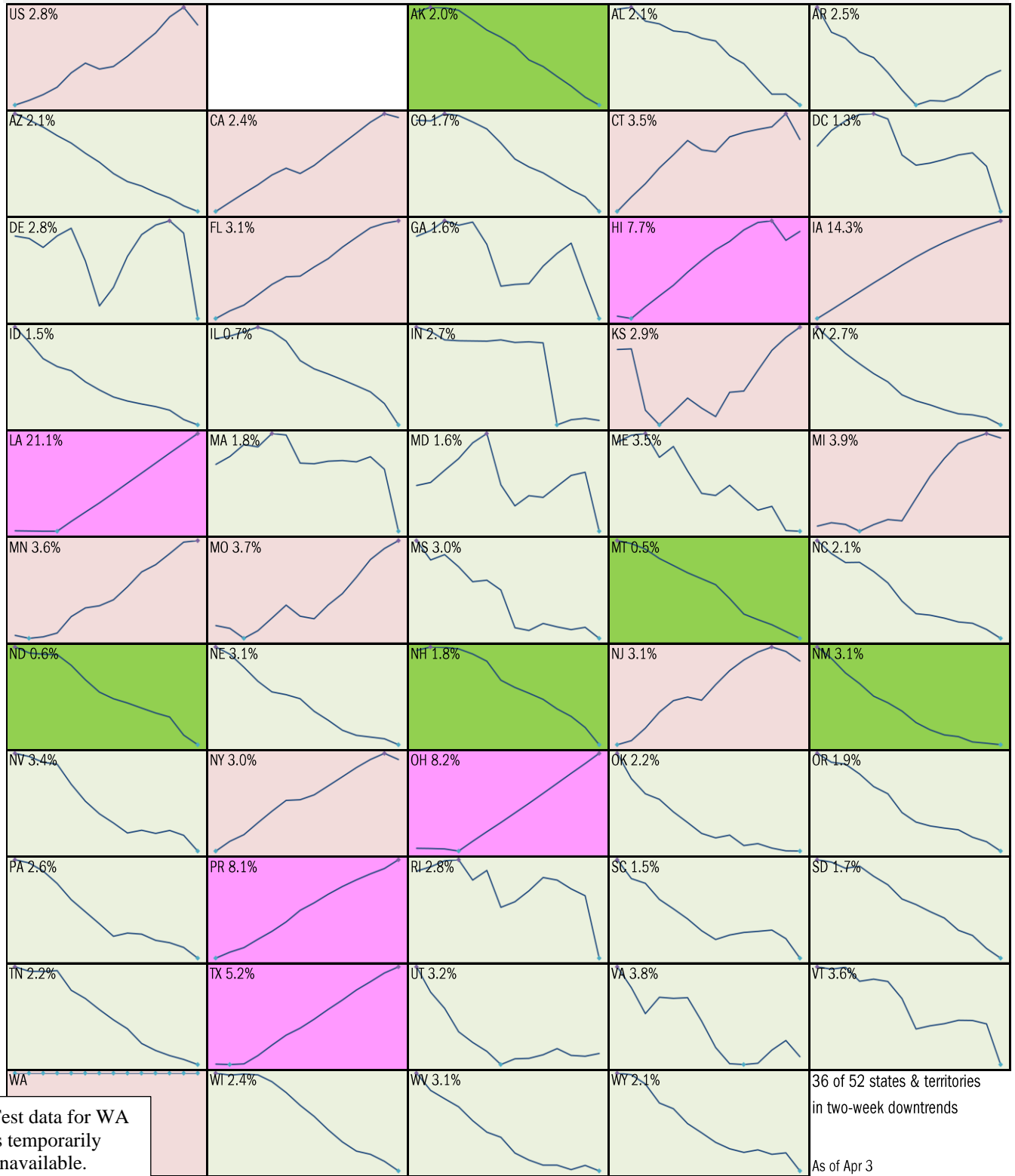


Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# 14-day trajectory in **test-positivity ratio**

14-day moving average, last 14 days *Most recent value displayed* ● High ● Low

■ Downward trajectory ■ Five best ■ Upward trajectory ■ Five worst



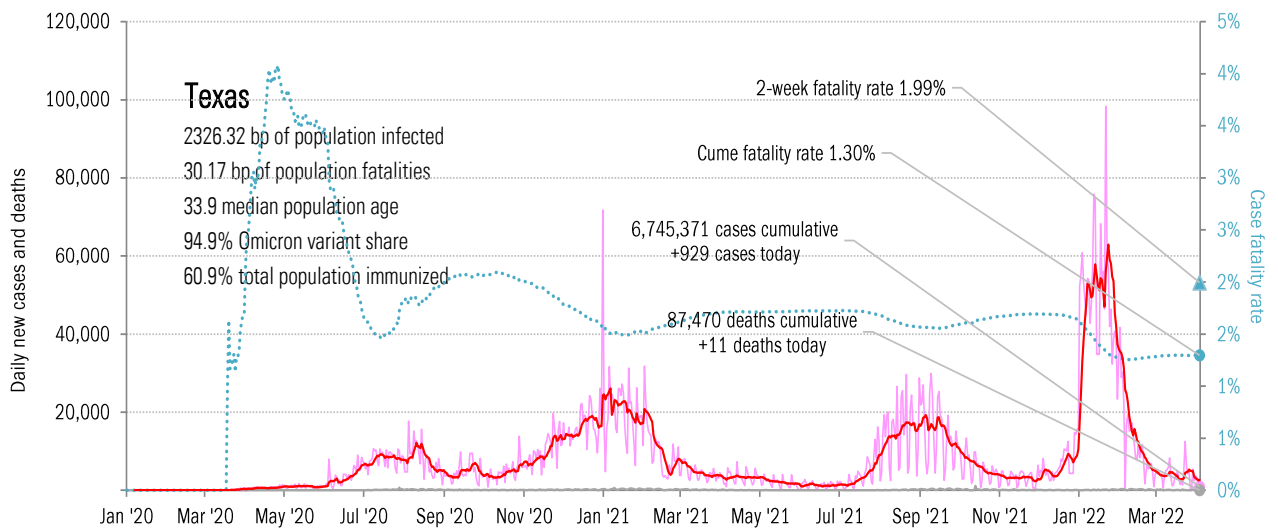
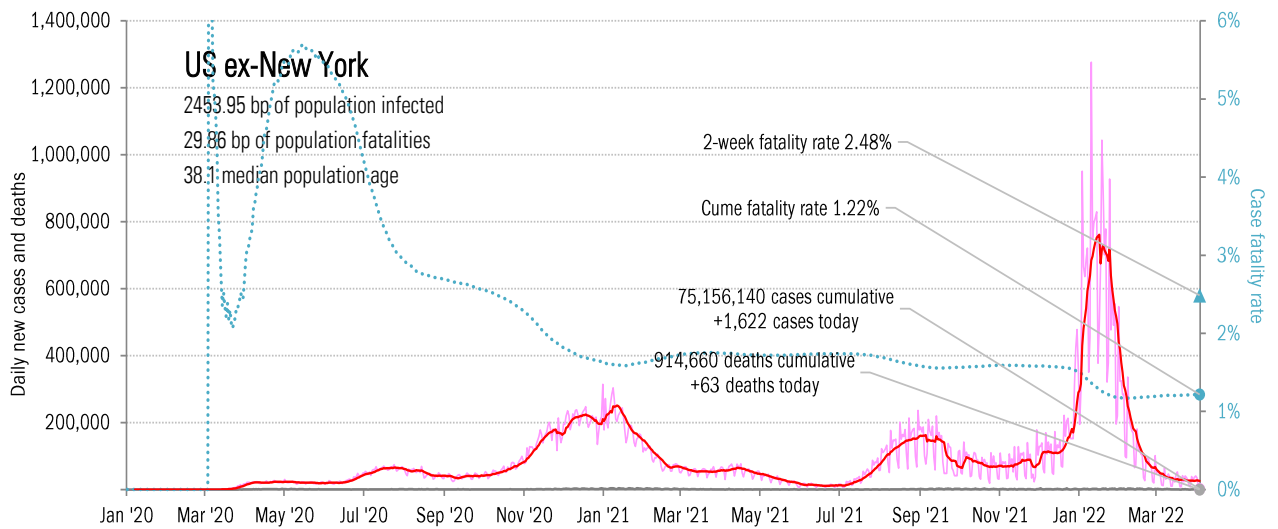
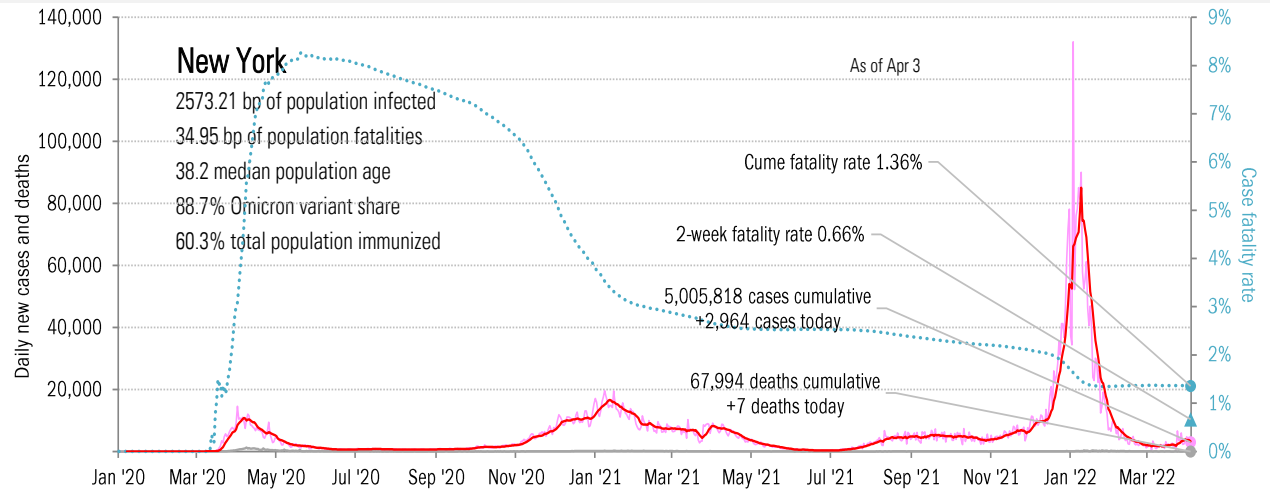
Test data for WA is temporarily unavailable.

36 of 52 states & territories in two-week downtrends  
As of Apr 3

Source: [Covid Act Now](https://covidactnow.com), TrendMacro calculations

# From Ground Zero to the Rio Grande

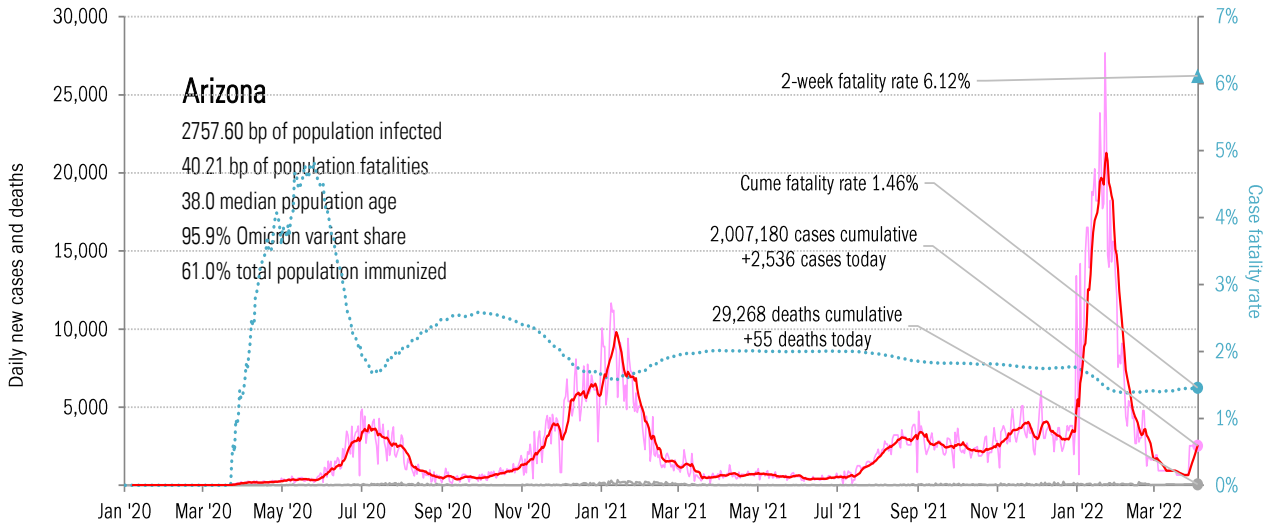
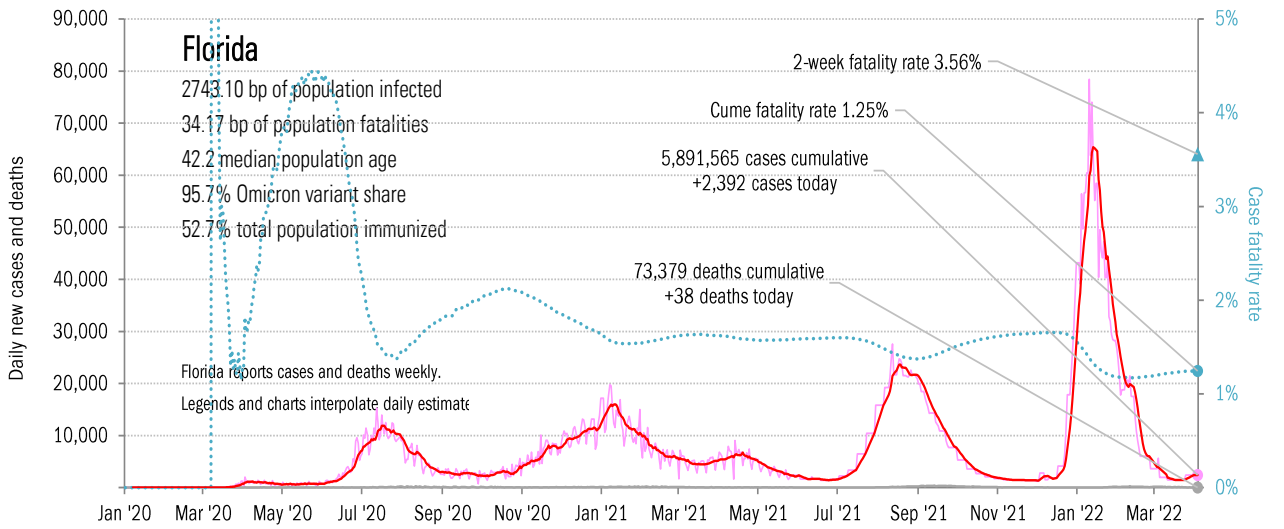
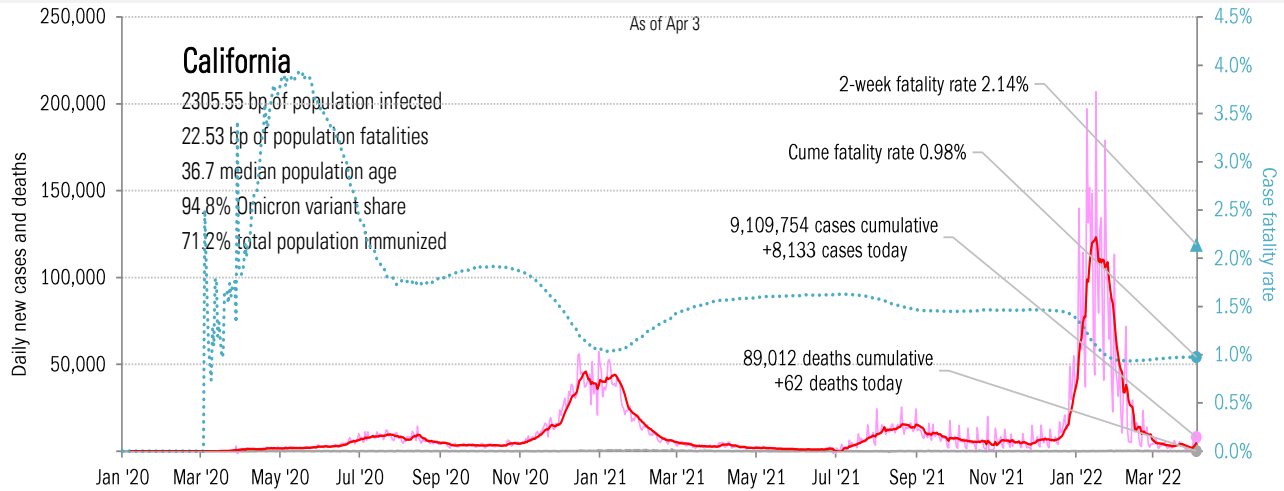
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# The sun-belt hot-spot states

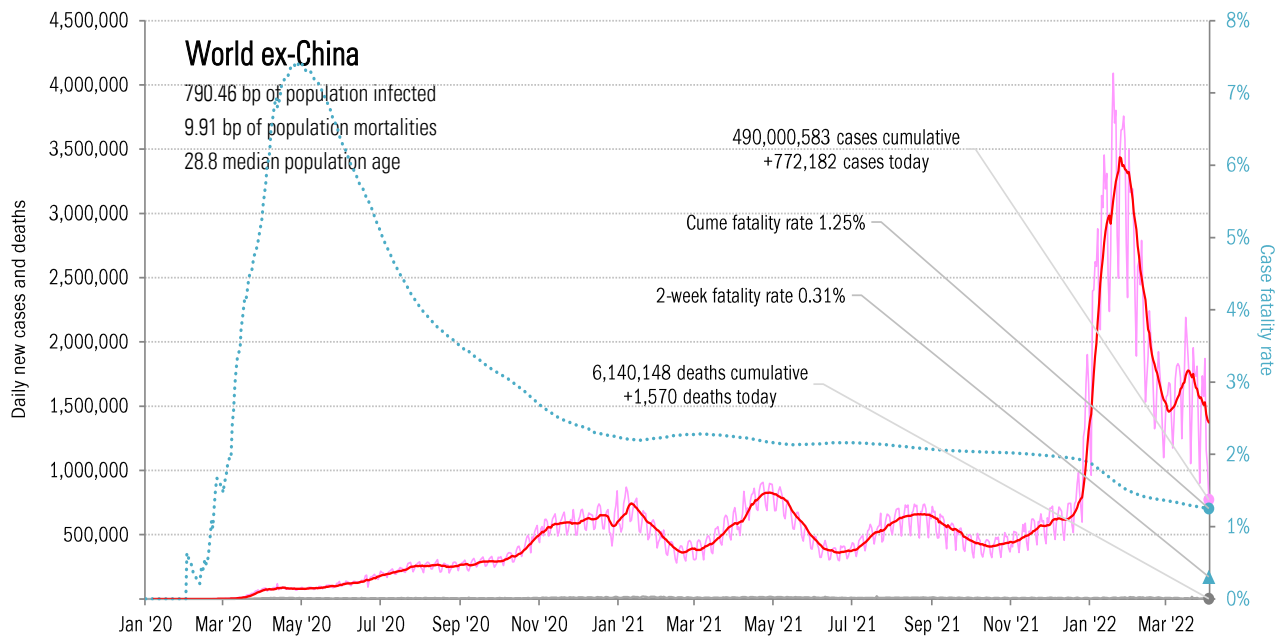
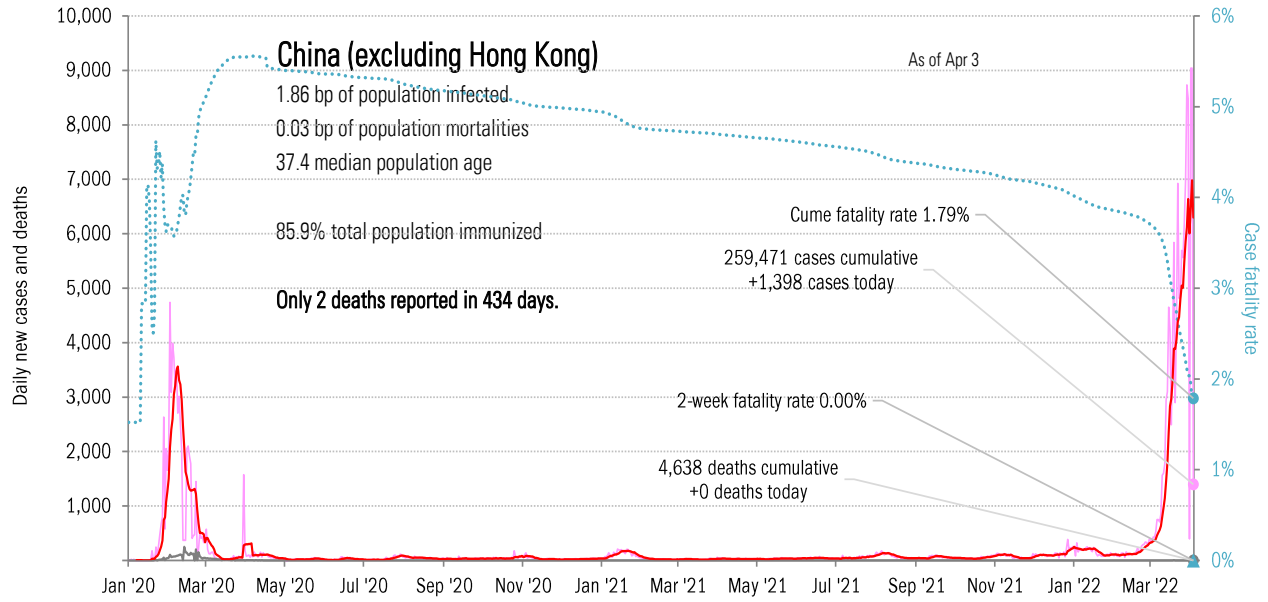
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Patient zero... and then everyone else

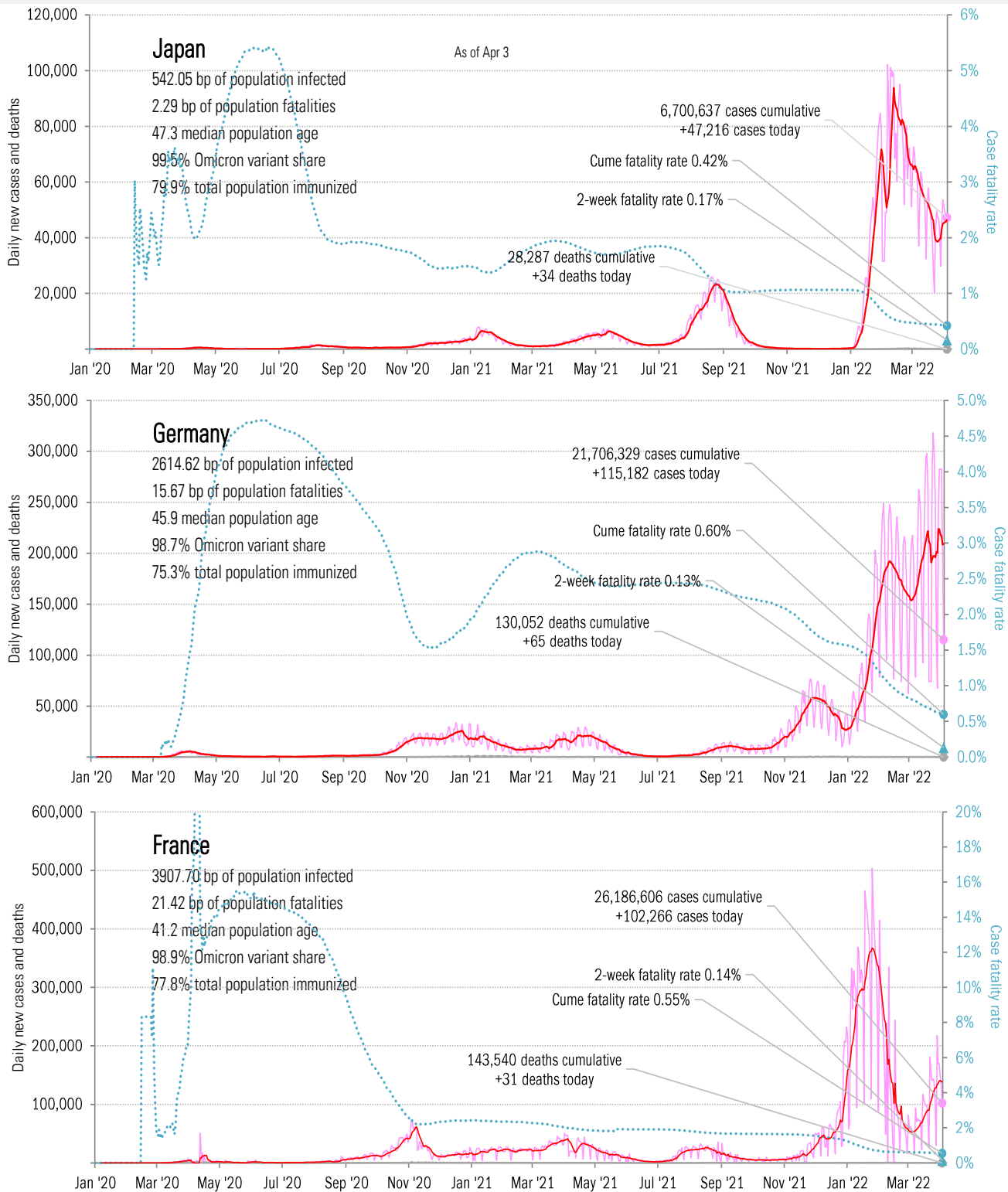
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# Impact in the largest economies

Cases: 7-day average and daily Deaths: Daily

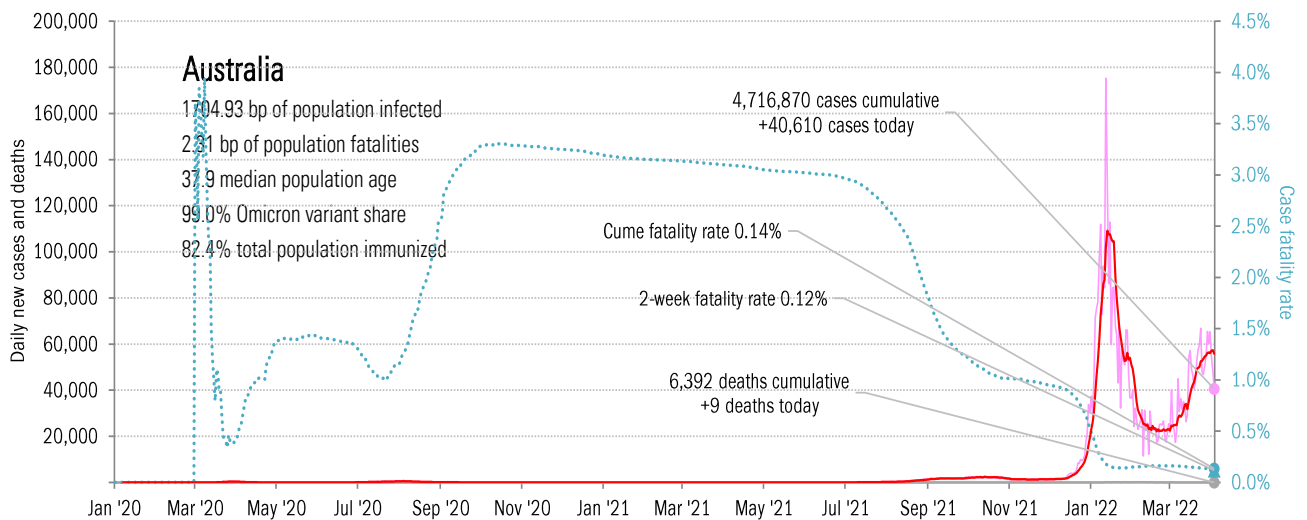
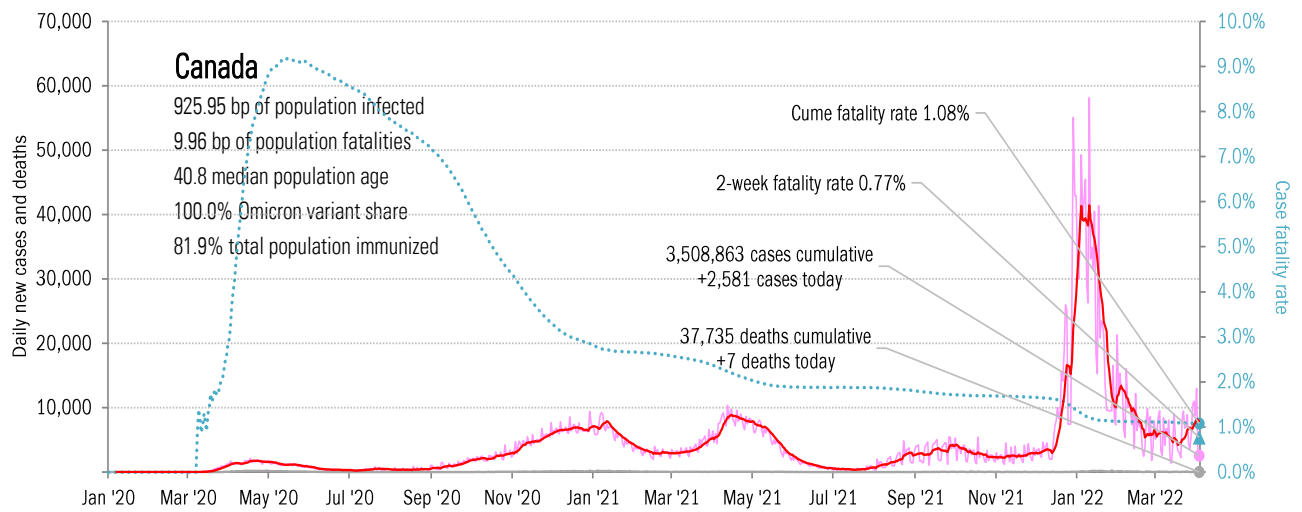
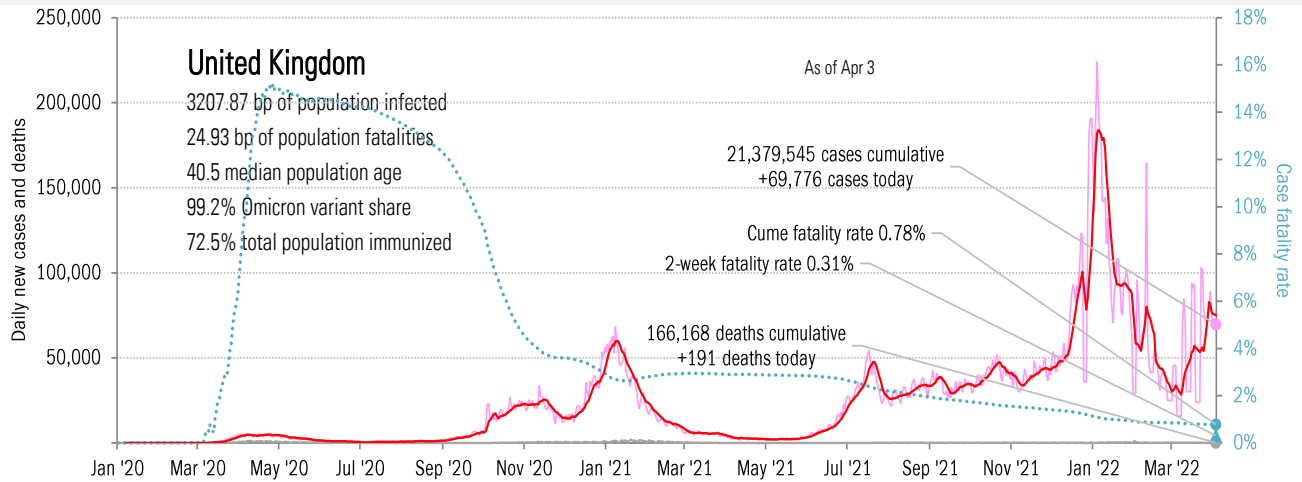


Source: [Johns Hopkins](#), TrendMacro calculations



# Impact in The Anglosphere

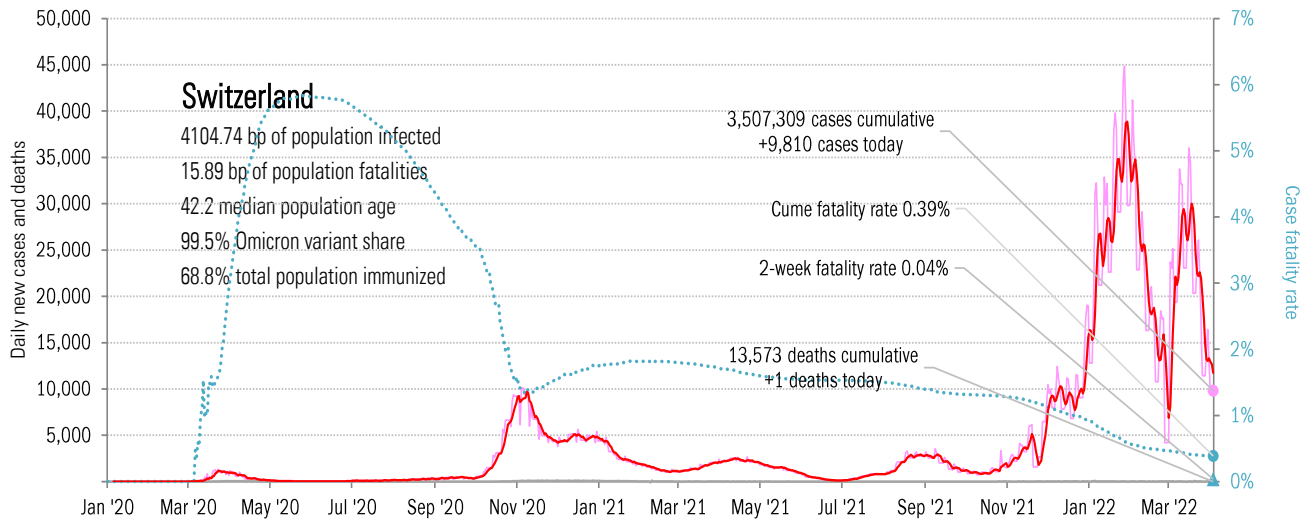
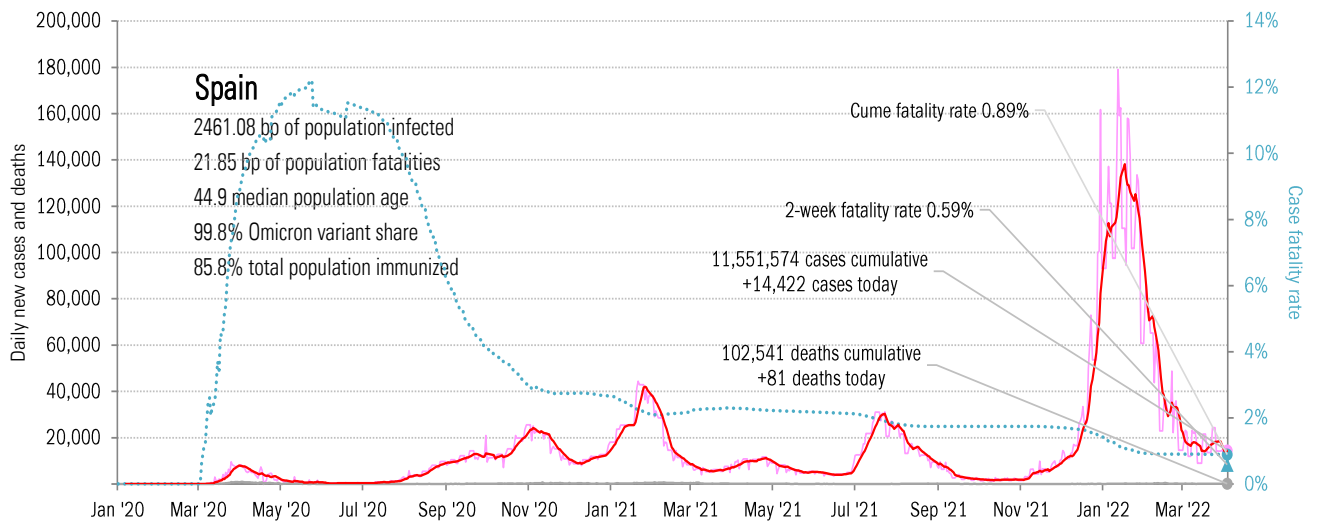
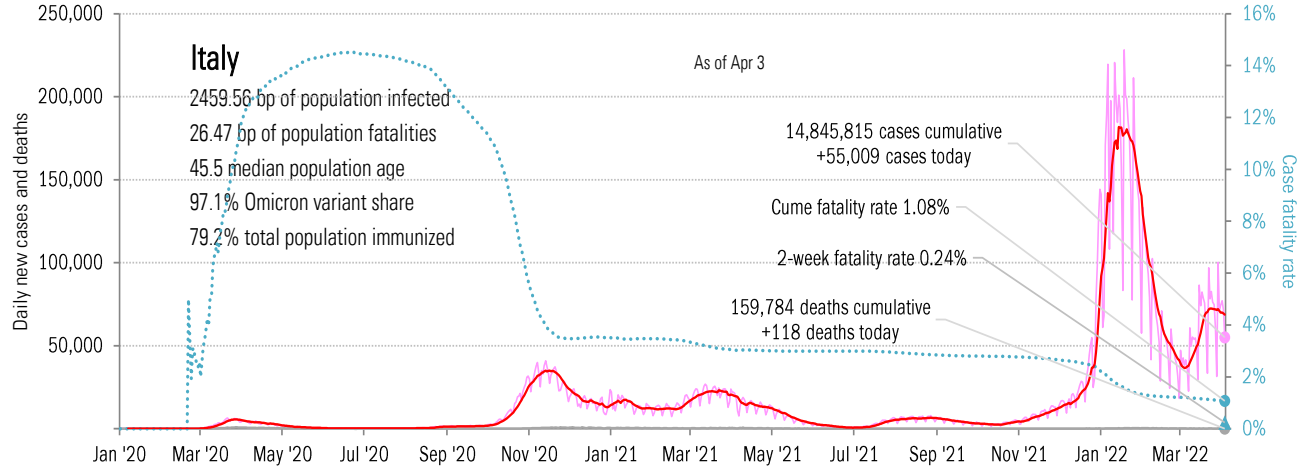
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in continental Europe

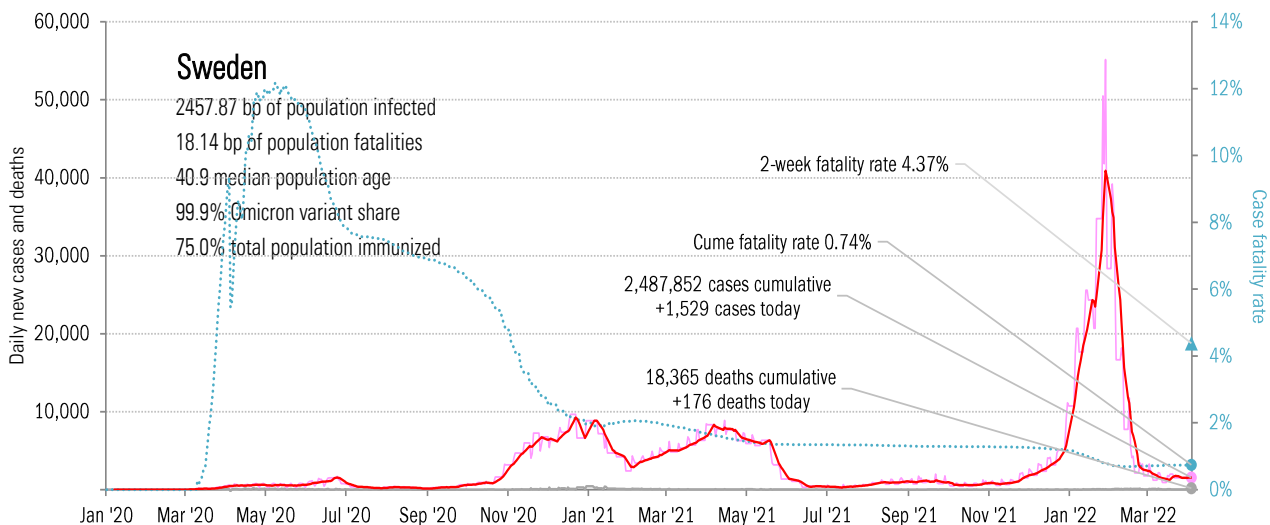
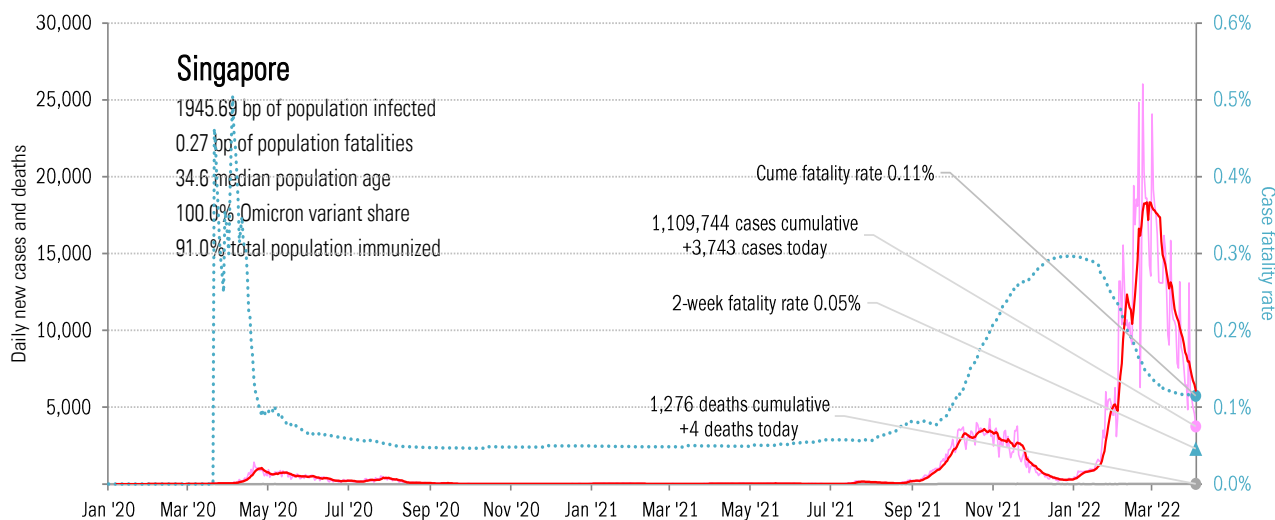
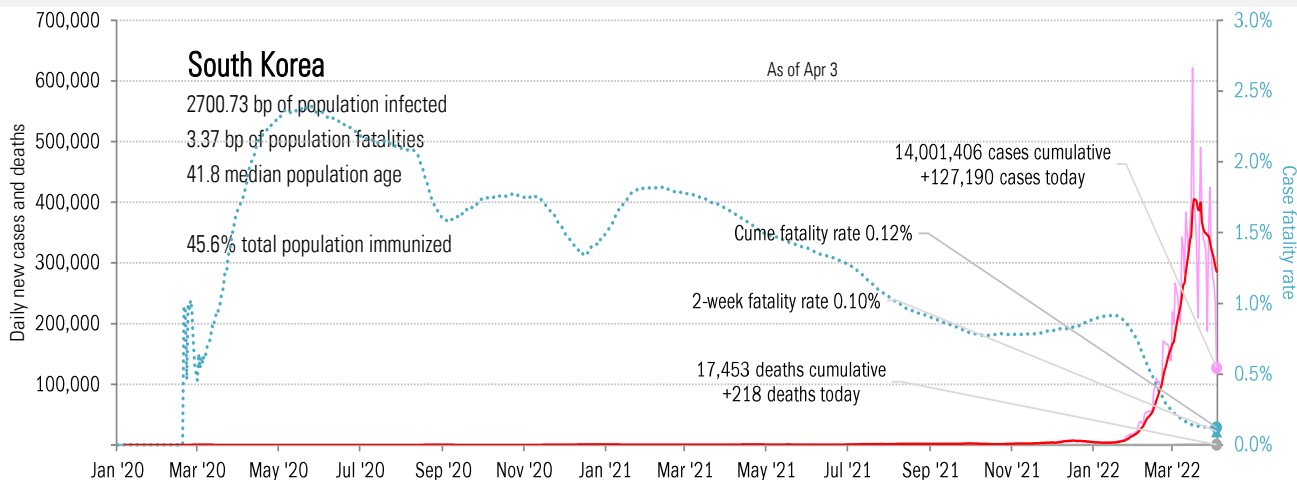
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](https://www.jhu.edu/), TrendMacro calculations

# Impact in other hot-spots

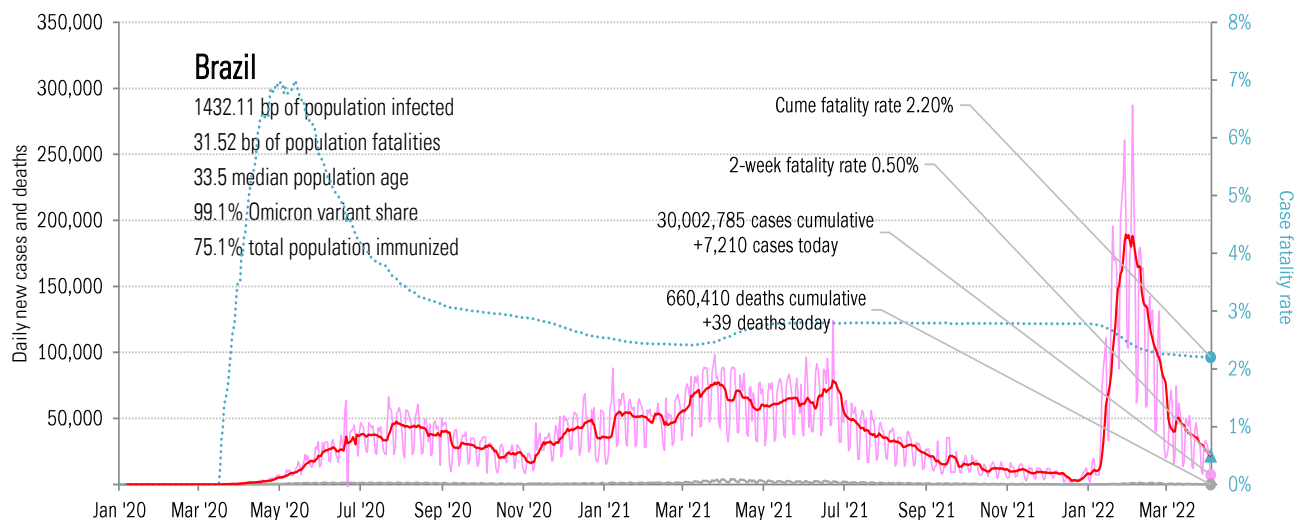
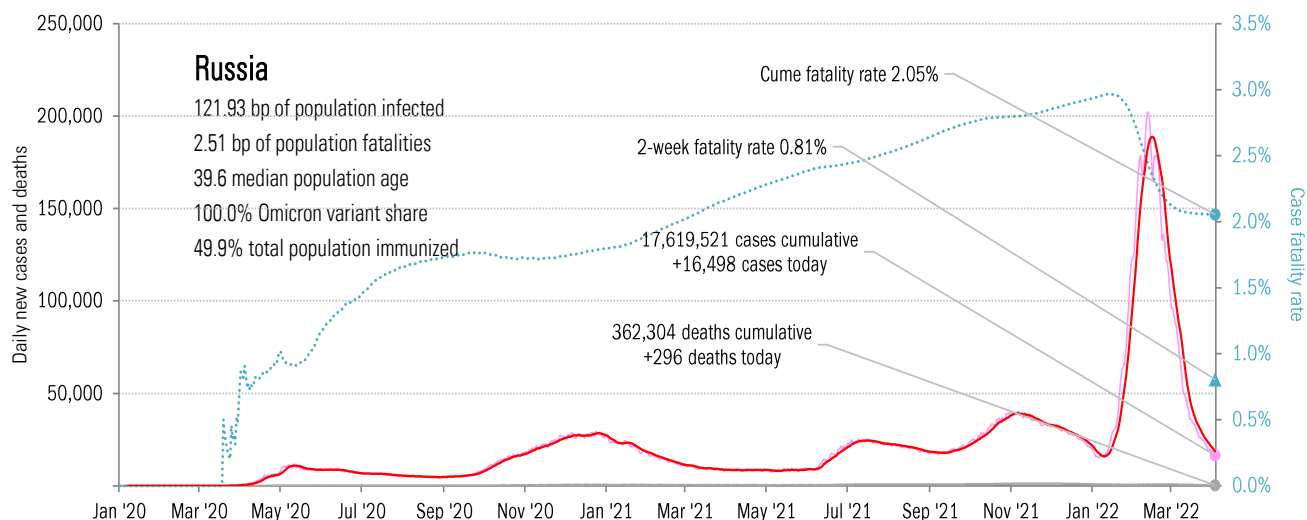
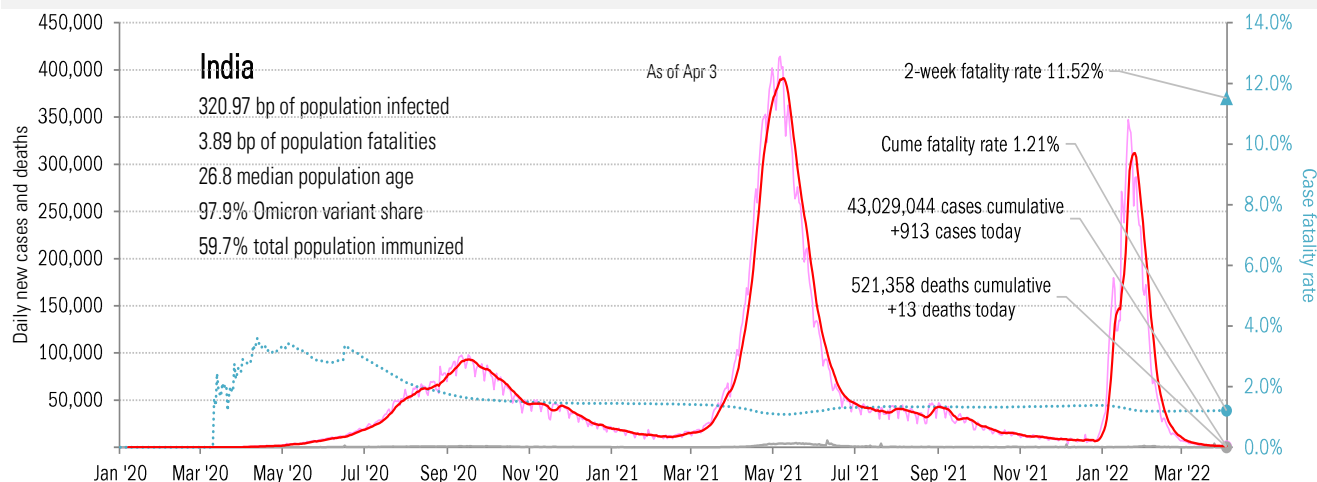
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the BRICs ex-China

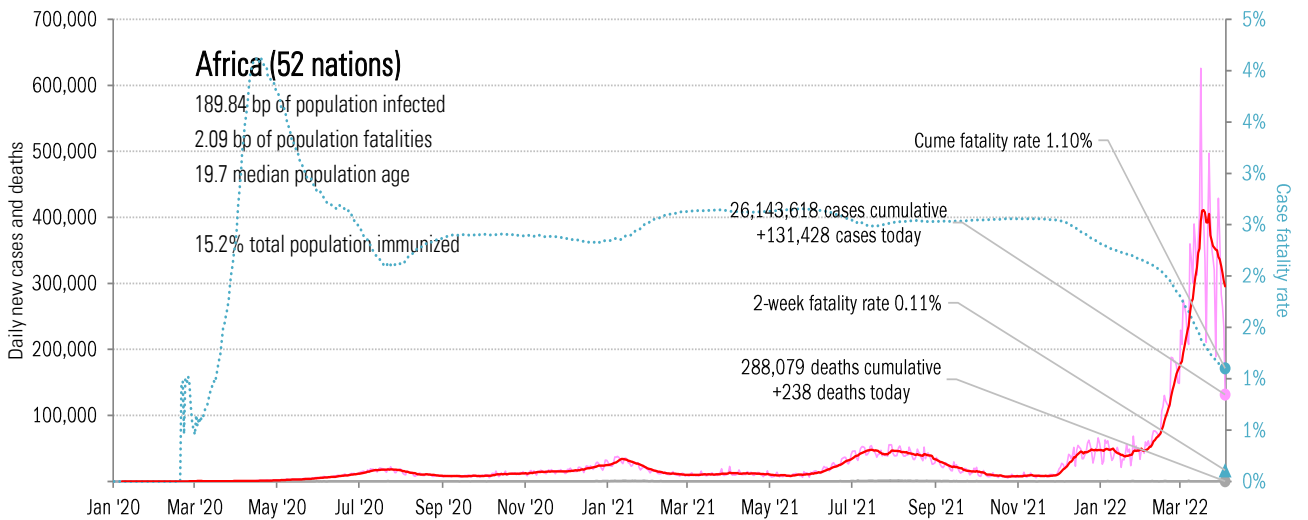
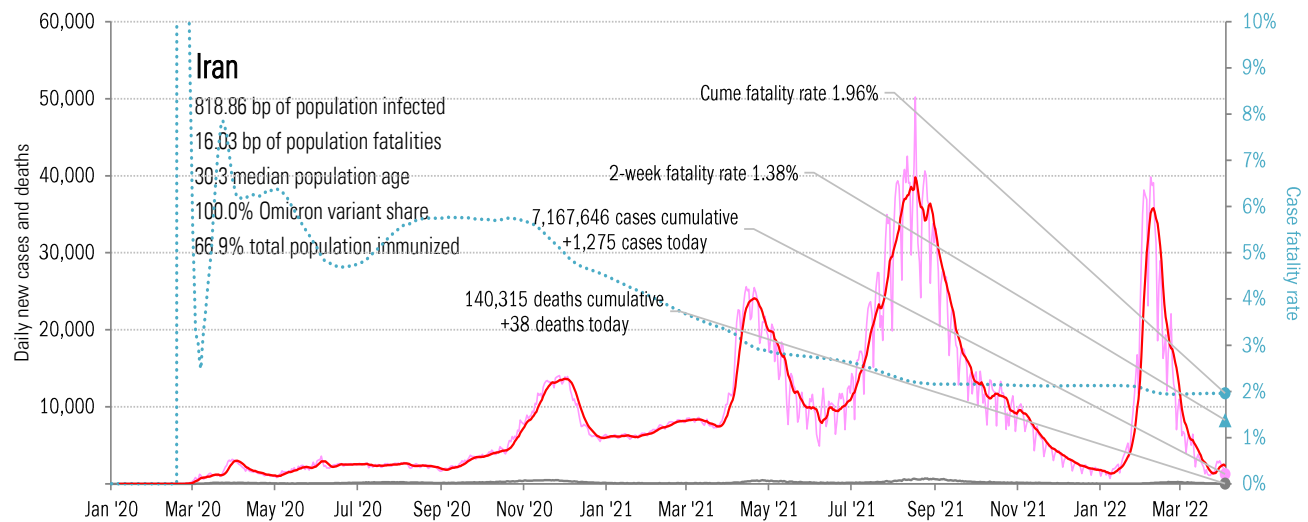
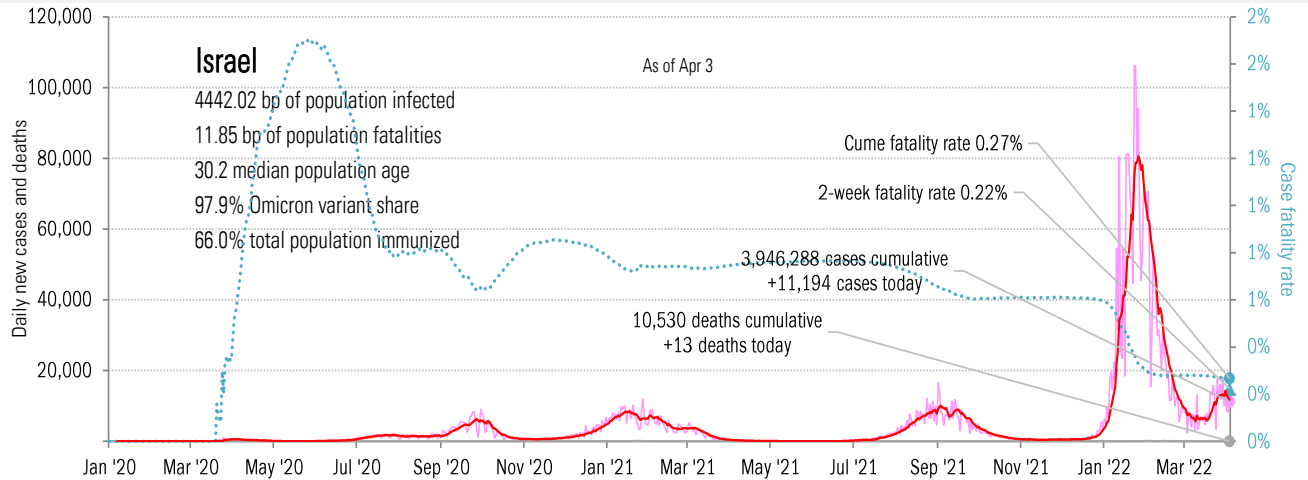
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in the Middle East and Africa

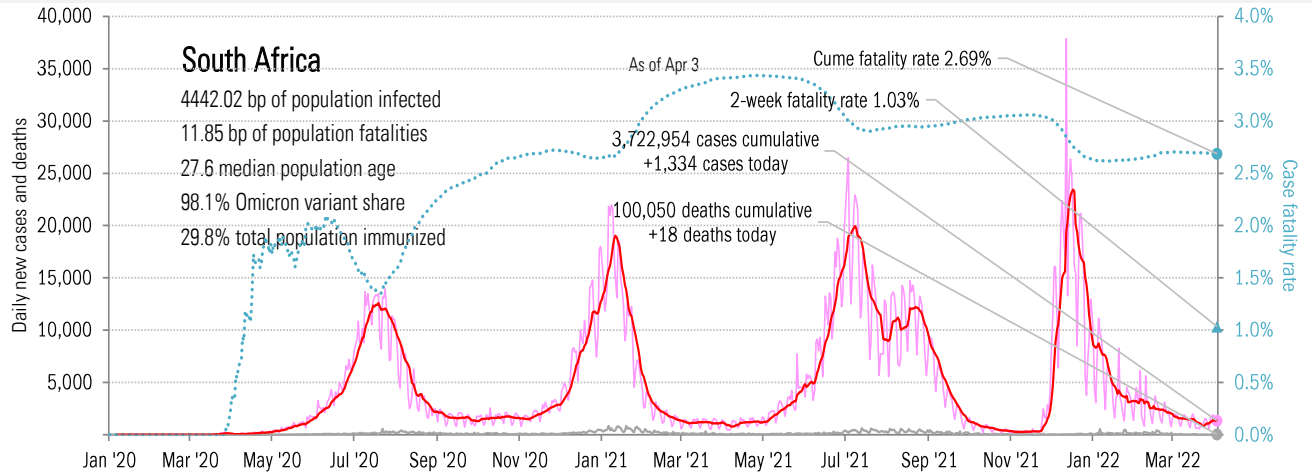
Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations

# Impact in Africa, continued

Cases: 7-day average and daily Deaths: Daily



Source: [Johns Hopkins](#), TrendMacro calculations